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Application Number	10/779,412
Filing Date	February 13, 2004
First Named Inventor	Guillermo C. Bazan
Art Unit	1632
Examiner Name	SISSON, BRADLEY L.
Attorney Docket Number	51871.000004.UTL

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> 2 Information Disclosure Statements <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copies of cited references 1-143, 163-167, and 174-218. Return Receipt Postcard. SB/08 Forms (18 pgs).
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Remarks

The Commissioner is hereby authorized to charge any fees due in connection with this submission, or credit any overpayment to Deposit Account No. 02-4553 in the name of Buchanan Ingersoll Professional Corp.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Buchanan Ingersoll, 401 West A Street, Suite 1900, San Diego, CA 92101		
Signature			
Printed name	David Maher		
Date	01-26-05	Reg. No.	40,077

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51871-000004.UTL
U.S. Patent

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)	Group Art Unit: 1632
)	
BAZAN et al.)	Examiner: SISSON, BRADLEY L.
)	
Serial No.: 10/779,412)	Customer. No. 23464
)	
Filed: February 13, 2004)	
)	
For: METHODS AND COMPOSITIONS)	
FOR DETECTION AND ANALYSIS)	
OF POLYNUCLEOTIDE-BINDING)	
PROTEIN INTERACTIONS)	
USING LIGHT HARVESTING)	
<u>MULTI-CHROMOPHORES</u>)	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97-1.98

Mail Stop Amendment
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Dear Sir:

This Information Disclosure Statement is being filed prior to receipt of a first Office Action on the merits with respect to the above-captioned application. Thus, it is believed that there is no fee due for filing this paper. However, if it is determined that a fee is due, the Commissioner is hereby authorized to charge the requisite fee, or any fees that may be due in connection with this and the attached papers, or with this application during its entire pendency, or to credit any overpayment, to Deposit Account No. 02-4553.

In accordance with 37 C.F.R. §1.56 and 37 C.F.R. §§1.97-1.98, this Information Disclosure Statement, including Forms PTO-SB/08 (11 pages) and cited documents, is provided herewith.

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 C.F.R. §1.56. The filing of this Information Disclosure Statement is not an admission by Applicants or Applicants' representatives that any of the documents, singly or in any combination, is material. Nor is it an admission that any of the items identified is


"prior art" against the subject application. Additionally, in accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other information as defined in 37 C.F.R. §1.56(b) exists in addition to those items submitted herewith.

Applicant respectfully requests that the Examiner review the foregoing documents and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,

BUCHANAN INGERSOLL P.C.

Date: January 26, 2005

By: 
David W. Maher, Ph.D
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Sheet 1 of 11

Complete if Known

Application Number	10/779,412
Filing Date	February 13, 2004
First Named Inventor	Guillermo C. Bazan
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T ²
	1	BALAKIN, K.V. et al. Conjugates of oligonucleotides with polyaromatic fluorophores as promising DNA probes ¹ ; <i>Biosensors and Bioelectronics</i> (1998) 13:771-778.	
	2	BARDEA, A. et al. Sensing and amplification of oligonucleotide-DNA interactions by means of impedance spectroscopy: a route to a Tay-Sachs sensor; <i>Chem. Commun.</i> (1999) 21-22.	
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Sheet

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Filing Date	February 13, 2004
First Named Inventor	Guillermo C. Bazan
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T ²
	15	CASTRO, A. and WILLIAMS, J.G.K. Single-molecule detection of specific nucleic acid sequences in unamplified genomic DNA; <i>Anal. Chem.</i> (1997) 69:19:3915-3920.	
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	28	EGHOLM, M. et al. PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogenbonding rules; <i>Nature</i> (1993) 365:566-568.	

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Sheet 3

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Filing Date	February 13, 2004
First Named Inventor	Guillermo C. Bazan
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	29	EGHOLM, M. et al. Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA); <i>J. Am. Chem. Soc.</i> (1992) 114:9677-9678.	
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	39	GANACHAUD, F. et al. Adsorption of Single-Stranded DNA Fragments onto Cationic Aminated Latex Particles; <i>Langmuir</i> (1997) 13:701-707.	
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	43	GERSHON, H. et al. Mode of Formation and Structural Features of DNA-Cationic Liposome Complexes Used for Transfection; <i>Biochemistry</i> (1993) 32:7143-7151.	
	44	GIESEN, U. et al. A formula for thermal stability (T _m) prediction of PNA/DNA duplexes; <i>Nucleic Acids Res.</i> (1998) 26:21:5004-5006.	
	45	GÖSSL, L. et al. Molecular Structure of Single DNA Complexes with Positively Charged Dendronized Polymers; <i>J. Am. Chem. Soc.</i> (2002) 124:6860-6865.	G
	46	HAGE, D.S.. Immunoassays; <i>Anal. Chem.</i> (1999) 71:12:294R-304R.	
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	50	IZUMRUDOV, V.A. et al. The influence of chain length of a competitive polyanion and nature of monovalent counterions on the direction of the substitution reaction of polyelectrolyte complexes; <i>Makromol. Chem., Rapid Commun.</i> (1988) 9:7-12.	
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	57	JENKINS, Y. and BARTON, J.K. A Sequence-Specific Molecular Light Switch: Tethering of an Oligonucleotide to a Dipyridophenazine Complex of Ruthenium (II); <i>J. Am. Chem. Soc.</i> (1992) 114:8736-8738.	
	58	JOHANSSON, M.K. et al. Intramolecular Dimers: A New Strategy to Fluorescence Quenching in Dual-Labeled Oligonucleotide Probes; <i>J. Am. Chem. Soc.</i> (2002) 124:6950-6956.	
	59	KABANOV, A.V. et al. DNA Interpolyelectrolyte Complexes as a Tool for Efficient Cell Transformation; <i>Biopolymers.</i> (1991) 31:1437-1443.	
	60	KABANOV, A.V. and KABANOV, V.A. DNA Complexes with Polycations for the Delivery of Genetic Material into Cells; <i>Bioconjugate Chem.</i> (1995) 6:7-20.	
	61	KABANOV, V.A. et al. Cooperative Interpolyelectrolyte Reactions; <i>Makromol. Chem. Suppl.</i> (1985) 13:137-155.	
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Application Number	10/779,412
Filing Date	February 13, 2004
First Named Inventor	Guillermo C. Bazan
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

NON PATENT LITERATURE DOCUMENTS

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	71	LEULLIOT, N. and VARANI, G. Current Topics in RNA-Protein Recognition: Control of Specificity and Biological Function through Induced Fit and Conformational Capture; <i>Biochemistry</i> (2001) 40:27:7947-7956.	
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Sheet 7 of 11

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First Named Inventor	Guillermo C. Bazan
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

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Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

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Sheet 10

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First Named Inventor	Guillermo C. Bazan
Art Unit	1634
Examiner Name	Sisson, Bradley L.
Attorney Docket Number	51871-000004

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